

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-002738**Date Inspected:** 28-Apr-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2330**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China**CWI Name:** Huang Wen-Pang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower/OBG**Summary of Items Observed:****Deck Panel Repairs**

This Quality Assurance (QA) inspector arrived at ZPMC for observation of the SAS super structure fabrication and observed ZPMC performing in multiple stages of repairs for deck Panel numbers DP061-001 were grinding and welding of the areas were in process on weld number 1. DP060-001 was also being repaired by ZPMC that was marked by ZPMC inspectors that included under fill and incomplete fusion. This QA inspector discussed with ZPMC CWI Huang Wen-Pang the minimum base metal thickness and undercut criteria for the deck panel repairs as outlined in their repair procedure also discussed was the special provisions associated with the deck panels for acceptance criteria's. This QA inspector had also observed several deck panels that were in the bay ready for repairs by ZPMC they were noted as DP059-001, DP063-001, DP018-001 and DP014-001.

Tower Shop

With ongoing observations this QA inspector noted ZPMC performing heat straightening on several skin plates in the new tower shop's bays 1 and 2. ZPMC's CWI Xu Le Fong was present during the heat straightening process and informed this QA inspector that no welding would be taking place at this location tonight.

Summary of Conversations:

As noted above

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

WELDING INSPECTION REPORT

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Inspected By:	Riley, Ken	Quality Assurance Inspector
Reviewed By:	Carreon, Albert	QA Reviewer
